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105 U.S.P.T.O.

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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL
(Only for new nonprovisional applications under 37 CFR 1.53(b))

10/02/05 PRO

12/19/01

Attorney Docket No. 42390.P10920
(maximum 12 characters)First Named Inventor John W. MatesTitle: CELLULAR AUTOMATON CACHE METHOD AND APPARATUSExpress Mail Label No. EL431882624ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, D. C. 20231**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. Applicant Claims Small Entity Status. (37 CFR 1.27)
3. Specification (Total Pages 25)
(preferred arrangement set forth below)
 - Descriptive Title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawings(s) (35 USC 113) (Total Sheets 5)
5. Oath or Declaration (Total Pages 6)
 - a. Newly Executed (Original or Copy)
 - b. Copy from a Prior Application (37 CFR 1.63(d))
(for Continuation/Divisional with Box 18 completed)
 - i. DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
 - c. Unsigned.
6. Application Data Sheet. (37 CFR 1.76)
7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & documents(s))
10. _____ a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)
_____ b. Power of Attorney
11. _____ English Translation Document (if applicable)
12. _____ a. Information Disclosure Statement (IDS)/PTO-1449
_____ b. Copies of IDS Citations
13. _____ Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. _____ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. _____ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: Check in the amount of \$986.00

18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

Continuation Divisional Continuation-in-part (CIP)
Of Prior Application No.: _____ Examiner _____ Group Art Unit _____
(which is a continuation/ divisional/ CIP of prior application no. _____,
which is a continuation/ divisional/ CIP of prior application no. _____) (List entire chain of priority)

Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority.
For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18B. Statement under 37 CFR 3.73(b) for continuing application:

The undersigned states that _____ (name of assignee) is
the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an
assignment recorded in the Patent and Trademark Office at Reel No. _____ Frame No. _____
(or a copy of which is attached).

19. Correspondence Address

Customer Number or Bar Code Label _____
or _____ (Insert Customer No. or Attach Bar Code Label here)

Correspondence Address Below

NAME Cynthia Thomas Faatz

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

ADDRESS 12400 Wilshire Boulevard

Seventh Floor

CITY Los Angeles STATE California ZIP CODE 90025-1026

Country U.S.A. TELEPHONE (408) 720-8300 FAX (408) 720-9397

Name (PRINT/TYPE): Cynthia Thomas Faatz Registration No.: 39,973

Signature: Cynthia Thomas Faatz Date: December 19, 2001

FEE TRANSMITTAL FOR FY 2002TOTAL AMOUNT OF PAYMENT (\$) \$986.00

Complete if Known:

Application No. UnassignedFiling Date UnassignedFirst Named Inventor John W. MatesGroup Art Unit UnassignedExaminer Name UnassignedAttorney Docket No. 042390.P10920**METHOD OF PAYMENT** (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666
Deposit Account Name _____

- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

- Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed: Check
 Money Order
 Other

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	Utility application filing fee	<u>740.00</u>
106	330	Design application filing fee	_____
107	510	Plant filing fee	_____
108	740	Reissue filing fee	_____
114	160	Provisional application filing fee	_____

SUBTOTAL (1) \$ 740.00**2. EXTRA CLAIM FEES**

	Extra Claims	Fee from below	Fee Paid
Total Claims	<u>29</u>	<u>- 20** = 9</u>	X <u>18.00</u> = <u>162.00</u>
Independent Claims	<u>4</u>	<u>- 3** = 1</u>	X <u>84.00</u> = <u>84.00</u>
Multiple Dependent			= _____

**Or number previously paid, if greater; For Reissues, see below.

Large Entity	Small Entity	Fee Description
Fee Code	Fee (\$)	Fee Description
103	18	Claims in excess of 20
102	84	Independent claims in excess of 3
104	280	Multiple dependent claim, if not paid
109	84	**Reissue independent claims over original patent
110	18	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$ 246.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code	Fee (\$)	Fee Code (\$)	
105	130	205	Surcharge - late filing fee or oath
127	50	227	Surcharge - late provisional filing fee or cover sheet
139	130	139	Non-English specification
147	2,520	147	For filing a request for ex parte reexamination
099	8,800	099	Request for inter parties reexamination
112	920*	112	Requesting publication of SIR prior to Examiner action
113	1,840*	113	Requesting publication of SIR after Examiner action
115	110	215	Extension for reply within first month
116	400	216	Extension for reply within second month
117	920	217	Extension for reply within third month
118	1,440	218	Extension for reply within fourth month
128	1,960	228	Extension for reply within fifth month
119	320	219	Notice of Appeal
120	320	220	Filing a brief in support of an appeal
121	280	221	Request for oral hearing
138	1,510	138	Petition to institute a public use proceeding
140	110	240	Petition to revive – unavoidable
141	1,280	241	Petition to revive - unintentional
142	1,280	242	Utility issue fee (or reissue)
143	460	243	Design issue fee
144	620	244	Plant issue fee
122	130	122	Petitions to the Commissioner
123	50	123	Processing fee under 37 CFR 1.17(q)
126	180	126	Submission of Information Disclosure Stmt
581	40	581	Recording each patent assignment per property (times number of properties)
146	740	246	For filing a submission after final rejection (see 37 CFR 1.129(a))
148	110	248	Statutory Disclaimer
149	740	249	For each additional invention to be examined (see 37 CFR 1.129(b))
179	740	279	Request for Continued Examination (RCE)
169	900	169	Request for expedited examination of a design application
195	300	195	Publication fee for early, voluntary, or normal pub.
196	300	196	Publication fee for republication
194	130	194	Request for voluntary publication or republication
098	130	098	Processing fee under 37 CFR 1.17(i) (except provisionals)
091	1,280	091	Acceptance of unintentionally delayed claim for priority
Other fee (specify) _____			
Other fee (specify) _____			
SUBTOTAL (3) \$0			

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: Cynthia Thomas Faatz

Signature: Cynthia Thomas Faatz Date: December 19, 2001

Reg. Number: 39,973 Telephone Number: 408-720-8300